



## Department of Toxic Substances Control



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January 12, 2007

Mr. John Hill  
Base Realignment and Closure  
Program Management Office West  
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**SECOND ANNUAL GROUNDWATER MONITORING REPORT AND FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT FOR INSTALLATION RESTORATION (IR) SITES 8, 9, 10, 11, 12 AND 13, AT FORMER LONG BEACH NAVAL SHIPYARD (LBNSY), LONG BEACH, CALIFORNIA**

Dear Mr. Hill:

On November 22, 2006 the Department of Toxic Substances Control (DTSC) received the *Response to Comments (RTCs)* provided by the Navy for the *Second Annual Groundwater Monitoring Report, for IR Sites 8, 9, 10, 11, 12 and 13 at Former Long Beach Naval Shipyard, Long Beach, California*, dated July 2006. DTSC staff also received the *First Semi-Annual Groundwater Monitoring Report, for IR Sites 8, 9, 10, 11, 12 and 13 at Former Long Beach Naval Shipyard, Long Beach, California*, dated November 2006. DTSC has reviewed both reports and concurs with the conclusions and recommendations in the reports with the following comments:

Based on the RTCs received and as indicated in the correspondence from the Navy, dated November 22, 2006, these RTCs were integrated into the Remedial Design/Remedial Action (RD/RA) workplan for IR Sites 8-13. For the most part, DTSC concurs with the RTCs. While the appropriateness of using the dilution attenuation factor (DAF) approach to calculate the calculated concentration limits (CCLs) is questionable, DTSC believes the issue will be revisited and readdressed by the Navy before the RD/RA workplan is finalized and approved. DTSC also realizes there are no elevated findings except for arsenic in all groundwater samples, with several sites reporting minimal detections or no detection above the laboratory reporting limits for eight consecutive quarters. DTSC concurs with the recommended sampling reduction in the *Second Annual Groundwater Monitoring Report*.

The maximum arsenic concentration observed was 360 µg/L (sampled in June 2006) at NW-11-04, Site 11, and at NW-12-08, Site 12 (sampled in March 2006). While it is necessary to continue monitoring the arsenic concentrations, DTSC recommends that

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the Navy look into the LBNSY site history and the existing arsenic plume to determine if a remedial approach to reduce arsenic concentrations in groundwater is needed.

We look forward to continuing to work with the Navy and receiving future groundwater monitoring reports for LBNSY. If you have any questions and concerns, please contact me at (714) 484-5395.

Sincerely,



Alan Hsu  
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